

~~It is Claimed:~~VOSSIUS & PARTNER
PATENTANWÄLTE
SIEBERTSTR. 4
81675 MÜNCHENCLAIMS

22. März 2004

1. A cationic polymerizable adhesive composition comprising:

(a) a cationic polymerizable monomer selected from an epoxy monomer, a

5 vinyl ether monomer, or a mixture thereof;

being an <->

(b) a cationic polymerization catalyst; and

(c) a solvent for the cationic polymerization catalyst,

wherein the solvent is a mixture of a good solvent and a poor solvent for the cationic polymerization catalyst.

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2. The cationic polymerizable adhesive composition as claimed in claim 1, wherein a weight ratio of the good solvent to the poor solvent is within a range from 5:95 to 60:40.

15 3. The cationic polymerizable adhesive composition as claimed in claim 1 or 2,

wherein the cationic polymerization catalyst has [an absorption peak in a visible light range of from 360 to 830 nm]

20 4. The cationic polymerizable adhesive composition as claimed in claim 2, wherein /
[the cationic polymerization catalyst is iron-arene complex, having [-] >]

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3. An anisotropically electroconductive adhesive composition comprising the cationic polymerizable adhesive composition claimed in any one of claims 1 to 4 and electroconductive particles.

25 4. An adhesive film formed by applying the cationic polymerizable adhesive composition claimed in claim 1 onto a separator and drying the coating film.

5. An anisotropically electroconductive adhesive film formed by applying the anisotropically electroconductive adhesive composition claimed in claim 5 onto a 30 separator and drying the coating film.

~~It is Claimed:~~

An anisotropically electroconductive adhesive composition comprising

6. A cationic polymerizable adhesive composition comprising:

(a) a cationic polymerizable monomer selected from an epoxy monomer, a
5 vinyl ether monomer, or a mixture thereof;

(b) a cationic polymerization catalyst; and

(c) a solvent for the cationic polymerization catalyst,

wherein the solvent is a mixture of a good solvent and a poor solvent for the cationic polymerization catalyst; and electroconductive particles.

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2. The cationic polymerizable adhesive composition as claimed in claim 1, wherein a weight ratio of the good solvent to the poor solvent is within a range from 5:95 to 60:40.

3. The cationic polymerizable adhesive composition as claimed in claim 1 or 2,
15 wherein the cationic polymerization catalyst has an absorption peak in a visible light range of from 360 to 830 nm.

4. The cationic polymerizable adhesive composition as claimed in claim 3, wherein the cationic polymerization catalyst is iron-arene complex.

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5. An anisotropically electroconductive adhesive composition comprising the cationic polymerizable adhesive composition claimed in any one of claims 1 to 4 and electroconductive particles.

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6. An adhesive film formed by applying the cationic polymerizable adhesive composition claimed in claim 1 onto a separator and drying the coating film.

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7. An anisotropically electroconductive adhesive film formed by applying the anisotropically electroconductive adhesive composition claimed in claim 5 onto a separator and drying the coating film.